Hamad F Alharbi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3139182/publications.pdf

Version: 2024-02-01

33 papers	1,095 citations	430754 18 h-index	395590 33 g-index
34 all docs	34 docs citations	34 times ranked	1280 citing authors

#	Article	IF	Citations
1	Composite nanofibers membranes of poly(vinyl alcohol)/chitosan for selective lead(II) and cadmium(II) ions removal from wastewater. Ecotoxicology and Environmental Safety, 2019, 169, 479-486.	2.9	217
2	Crystal plasticity simulations using discrete Fourier transforms. Acta Materialia, 2009, 57, 1777-1784.	3.8	131
3	WS2: A New Window Layer Material for Solar Cell Application. Scientific Reports, 2020, 10, 771.	1.6	67
4	Fabrication of core-shell structured nanofibers of poly (lactic acid) and poly (vinyl alcohol) by coaxial electrospinning for tissue engineering. European Polymer Journal, 2018, 98, 483-491.	2.6	64
5	Crystal plasticity finite element simulations using a database of discrete Fourier transforms. International Journal of Plasticity, 2015, 66, 71-84.	4.1	47
6	Fabrication techniques and morphological analysis of perovskite absorber layer for high-efficiency perovskite solar cell: A review. Renewable and Sustainable Energy Reviews, 2018, 98, 469-488.	8.2	46
7	Post Processing Strategies for the Enhancement of Mechanical Properties of ENMs (Electrospun) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	46
8	Extracting single-crystal elastic constants from polycrystalline samples using spherical nanoindentation and orientation measurements. Acta Materialia, 2014, 79, 108-116.	3.8	45
9	Enhancement of heavy metal ion adsorption using electrospun polyacrylonitrile nanofibers loaded with ZnO nanoparticles. Journal of Applied Polymer Science, 2019, 136, 47209.	1.3	45
10	Perceiving of Defect Tolerance in Perovskite Absorber Layer for Efficient Perovskite Solar Cell. IEEE Access, 2020, 8, 106346-106353.	2.6	38
11	Cadmium Selenide Quantum Dots for Solar Cell Applications: A Review. Chemistry - an Asian Journal, 2021, 16, 902-921.	1.7	36
12	Electrospun Bilayer PAN/Chitosan Nanofiber Membranes Incorporated with Metal Oxide Nanoparticles for Heavy Metal Ion Adsorption. Coatings, 2020, 10, 285.	1.2	35
13	Facile and efficient 3-chlorophenol sensor development based on photolumenescent core-shell CdSe/ZnS quantum dots. Scientific Reports, 2020, 10, 557.	1.6	33
14	Viscoelastic behavior of core-shell structured nanofibers of PLA and PVA produced by coaxial electrospinning. Polymer Testing, 2018, 67, 136-143.	2.3	31
15	Preparation of TiO2 incorporated polyacrylonitrile electrospun nanofibers for adsorption of heavy metal ions. Journal of Polymer Research, 2018, 25, 1.	1.2	30
16	Novel optimised highly aligned electrospun PEI-PAN nanofibre mats with excellent wettability. Polymer, 2019, 180, 121665.	1.8	25
17	Titanium Carbide Nanofibers-Reinforced Aluminum Compacts, a New Strategy to Enhance Mechanical Properties. Materials, 2016, 9, 399.	1.3	19
18	Superior Mechanical Performance of Inductively Sintered Al/SiC Nanocomposites Processed by Novel Milling Route. Scientific Reports, 2020, 10, 10368.	1.6	18

#	Article	IF	Citations
19	Removal of cadmium ions from water using coaxially electrospun PAN/ZnO-encapsulated PVDF nanofiber membranes. Polymer Bulletin, 2022, 79, 2831-2850.	1.7	17
20	Magnetic/Polyetherimide-Acrylonitrile Composite Nanofibers for Nickel Ion Removal from Aqueous Solution. Membranes, 2021, 11, 50.	1.4	14
21	Scaling-up medical technologies using flexographic printing. Talanta, 2020, 219, 121236.	2.9	13
22	Silver Micro-Nanoparticle-Based Nanoarchitectures: Synthesis Routes, Biomedical Applications, and Mechanisms of Action. Polymers, 2021, 13, 2870.	2.0	13
23	Balanced Mechanical and Tribological Performance of High-Frequency-Sintered Al-SiC Achieved via Innovative Milling Routeâ€"Experimental and Theoretical Study. Crystals, 2021, 11, 700.	1.0	12
24	Prediction of Cutting Conditions in Turning AZ61 and Parameters Optimization Using Regression Analysis and Artificial Neural Network. Advances in Materials Science and Engineering, 2018, 2018, 1-10.	1.0	11
25	Antibiofilm activity of synthesized electrospun core-shell nanofiber composites of PLA and PVA with silver nanoparticles. Materials Research Express, 2018, 5, 095001.	0.8	11
26	Effects of Mg Content on the Microstructural and Mechanical Properties of Al-4Cu-xMg-0.3Ag Alloys. Crystals, 2020, 10, 895.	1.0	6
27	Influence of Zirconium on the Corrosion Passivation of Titanium in Simulated Body Fluid. Crystals, 2021, 11, 1391.	1.0	6
28	Experimental and Numerical Study of Texture Evolution and Anisotropic Plastic Deformation of Pure Magnesium under Various Strain Paths. Advances in Materials Science and Engineering, 2018, 2018, 1-12.	1.0	4
29	Investigation on structural and opto-electronic properties of substitutional Sn doped WS2 by co-sputtering technique. Journal of Materials Research and Technology, 2021, 15, 846-854.	2.6	4
30	Influence of Milling Route on the Corrosion Passivation of Al-2%SiC Nanocomposites in Chloride Solutions. Crystals, 2021, 11, 1231.	1.0	4
31	Enhanced Corrosion Resistance of Recycled Aluminum Alloy 6061 Chips Using Hot Extrusion Followed by ECAP. Journal of Chemistry, 2019, 2019, 1-8.	0.9	3
32	Tribo-Behavior and Corrosion Properties of Welded 304L and 316L Stainless Steel. Coatings, 2021, 11, 1567.	1.2	3
33	Influence of Extrusion Temperature on the Corrosion Behavior in Sodium Chloride Solution of Solid State Recycled Aluminum Alloy 6061 Chips. Crystals, 2020, 10, 353.	1.0	1